

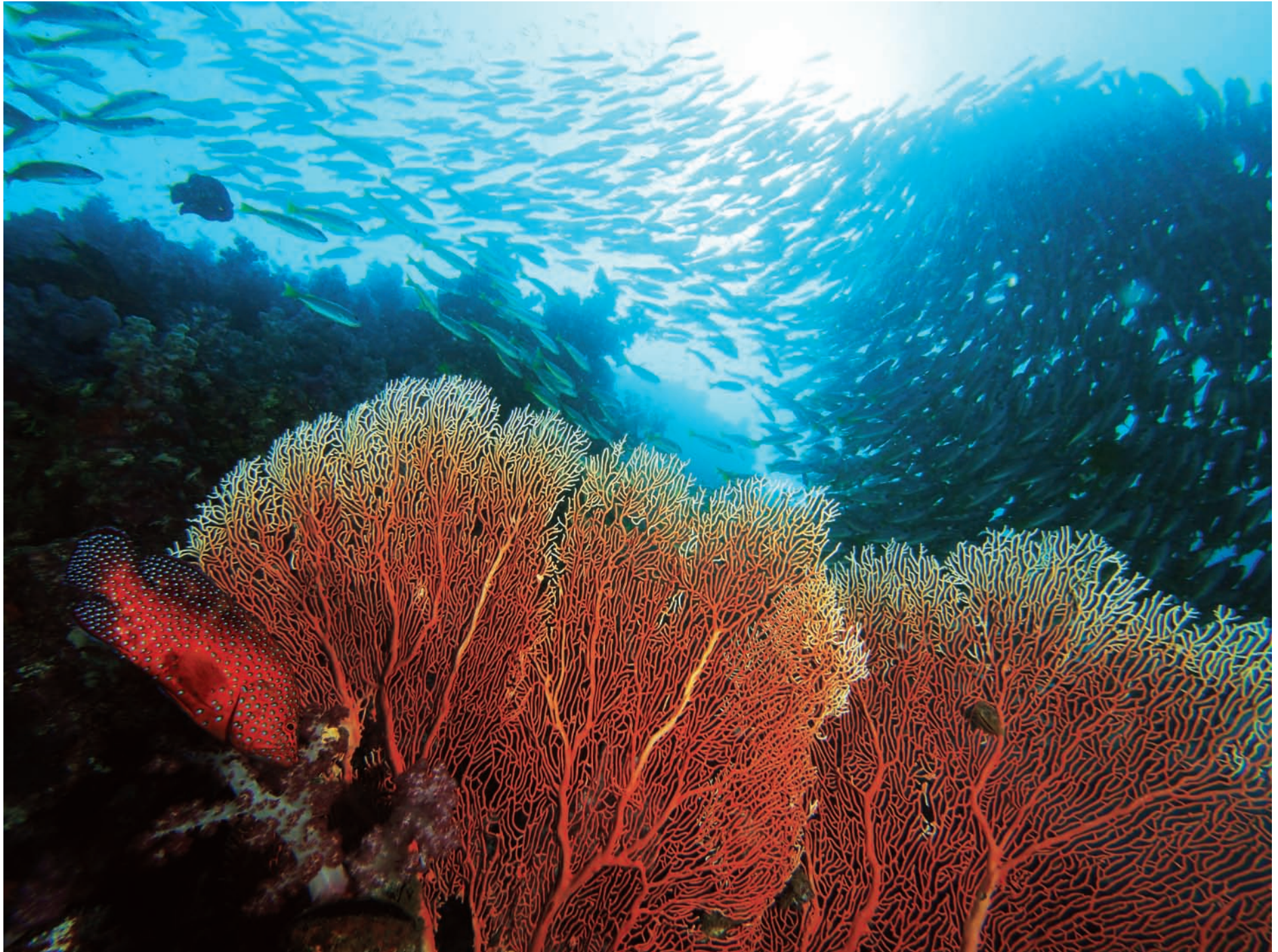
Now the PEN can go underwater. One for two tough cameras. More choices for underwater shooting.



Underwater Case PT-EP01
for the new generation micro four thirds system (SLR) camera OLYMPUS PEN Lite E-PL1



Underwater Case PT-048
for the waterproof compact camera μ TOUGH-8010 / μ TOUGH-6020



Take pictures even underwater with the PEN.



OLYMPUS PEN Lite E-PL1 / M.ZUIKO DIGITAL ED 14-42mm F3.5-5.6 / Underwater Case PT-EP01 / Antireflection ring POS-R-EP01 / Zoom gear PPZR-EP01 / Underwater external flash UFL-2 x 2 / Diffuser UFLDP-3 x 2 / Underwater optical fiber cable PTCB-E02 x 2 / Bracket PTBK-E01 / Bracket grip PTAG-E01 / Arm (third-party product)



At the bottom of the ocean a miniata grouper hid in the shadow of the coral and waited for small fish to come, while in the middle layer a large school of bigeye snapper was changing formation in response to the movement of the foreign enemy.

In this way each ocean species adapts and schemes to ensure survival.

Takasago Junji (nature photographer)

PT-EP01

Now the PEN can go underwater. The world's first underwater case for the micro four thirds system cameras.

Until now, the equipment needed to use a micro four thirds system (SLR) camera underwater was large and heavy, and the cost was quite high.

Using OLYMPUS PEN Lite E-PL1 and the Underwater Case PT-EP01 lets you easily make underwater shooting with SLR image quality.

The PT-EP01 is a small-size and easy-to-handle integrated lens port unit. Also, its large dial, finder window and monitor window make underwater photography easy.

When used in combination with a variety of accessories such as an external flash or a macro conversion lens, even more authentic underwater photography is possible.



OLYMPUS PEN Lite E-PL1 / M.ZUIKO DIGITAL ED 9-18mm F4.0-5.6 / PT-EP01 / UFL-2 x 2 light

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M.ZUIKO DIGITAL ED 9-18mm F4.0-5.6

Small (entire length: 49.5mm), lightweight (155g) lens featuring the ultra wide angle zoom suitable to take photos underwater. Its micro four thirds system designed specially for digital cameras enables you to gain the high resolution even in peripheral areas of images.



M.ZUIKO DIGITAL ED 9-18mm F4.0-5.6
18-36mm equivalent (35mm size conversion)



OLYMPUS PEN Lite E-PL1 / M.ZUIKO DIGITAL ED 14-42mm F 3.5-5.6 / PT-EP01 / UFL-2 x 2 light

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M.ZUIKO DIGITAL ED 14-42mm F3.5-5.6

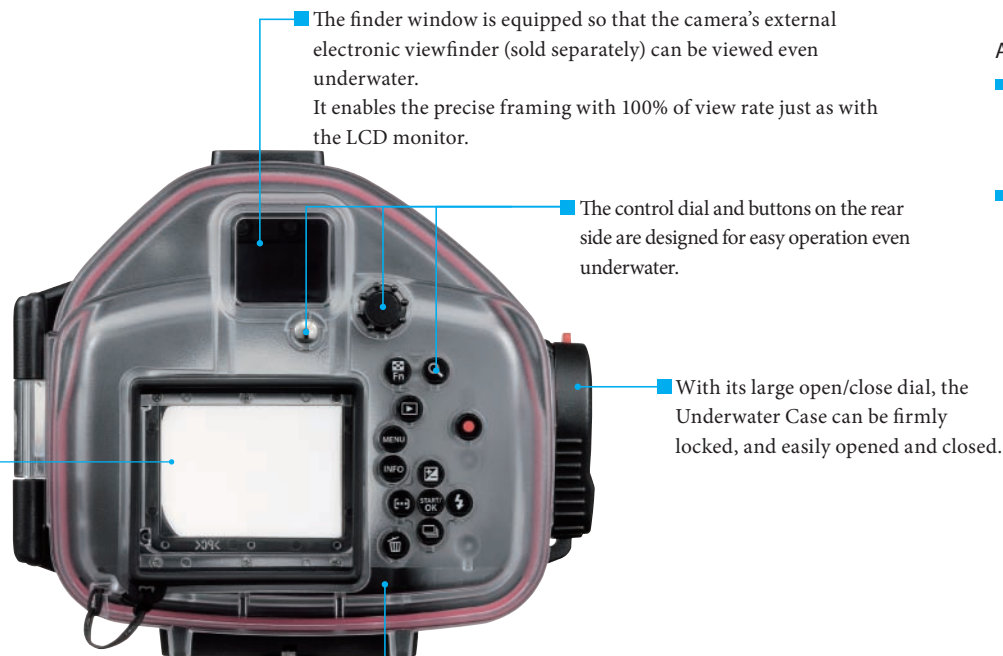
Small, easy-to-use standard zoom featuring minimum 25cm (on-land value) close-up photographing ability. Using it with underwater macro conversion lens (sold separately) and macro lens adapter (sold separately) enables you to get even closer to your subject.



M.ZUIKO DIGITAL ED 14-42mm F3.5-5.6
28-84mm equivalent (35mm size conversion)



With its small body, both underwater and on-land photography can be performed easily.



Product model number : PT-EP01
Compatible device : OLYMPUS PEN Lite E-PL1
Size : Width 179mm x Height 156mm x Thickness 166mm
Weight : Approx. 1,100g (not including camera and attachments)
Pressure resistance water depth : 40m
Included components : Strap, LCD hood, body cap, O-ring, silicone grease, silica gel

PT-EP01 compatible models



White Champagne gold Black
Pictured with M.ZUIKO DIGITAL ED 14-42mm F3.5-5.6 lens

New generation micro SLR camera OLYMPUS PEN Lite E-PL1



- 12.3 megapixel high speed Live MOS sensor
- Live guide enabling intuitive operation
- Easy-to-use underwater wide mode for beginners in addition to underwater macro mode
- Easy-to-record high definition movies
- Hyper crystal LCD monitor with 100% of view rate
- Attachable electronic viewfinder for finder photography (sold separately)
- Camera shake correction function with imaging sensor shift effective for all lenses

For details of cameras, please refer to the OLYMPUS PEN Lite E-PL1 catalog or the OLYMPUS Imaging website.

Accessories

- With the underwater macro conversion lens PTMC-01 (sold separately) and the macro lens adapter PMLA-EP01 (sold separately), you can take pictures closer to the subject.
- With the underwater optical fiber cable PTCB-E02 (sold separately), you can use the underwater external flash UFL-1 / UFL-2 (sold separately). With the UFL-2, you can make greater detailed lighting settings by the camera.



Mount example :
PTMC-01,
PMLA-EP01,
UFL-1,
PTCB-E02,
PTSA-02



PT-Series, now easier-to-use.



μ TOUGH-8010 / Underwater Case PT-048 / Underwater external flash
UFL-1 / Underwater optical fiber cable PTCB-E02 / Short arm PTSA-02



A young-looking zebra turkeyfish was resting on a sunken ship.

Although I approached quietly so as not to surprise him, he seemed slightly disturbed by my appearance. He spread his pectoral fin and took his warning stance while glancing at me. Takasago Junji (nature photographer)

PT-048 High reliability and operability. Underwater case, one for two tough cameras.

The OLYMPUS PT series has evolved to become much easier to use. With its included adapter the PT-048 can be used with both the μ TOUGH-8010 and μ TOUGH-6020 cameras. In addition to the various underwater modes which are easy to use for beginners, accessories such as the external flash and conversion lenses can further expand your shooting enjoyment. Since the μ TOUGH-8010 and μ TOUGH-6020 cameras themselves are waterproof, photography with great reliability can be obtained against accidental splashing or submergence.



■ The large shutter lever can easily be pressed even while wearing gloves.

■ The double-sided multi-coat applied to the front glass prevents interior reflections and allows to take clear photos.

■ With its large open/close dial, the Underwater Case can be firmly locked, and easily opened and closed.

■ The front contains screws spaced 52mm in diameter so that a variety of conversion lenses can be attached by using a step-up ring.

■ A black body is employed to block the internal flash light other than the light from the diffuser. Diffused reflections from floating objects in the water are also prevented.



■ By attaching the short arm (sold separately), underwater optical fiber cable (sold separately), and the underwater external flash (sold separately), variable flash photography can be performed.

■ The buttons on the rear side are large and arranged in levels for ease of use.

■ The back face is translucent so that water would be easily noticed even if it gets.

Product model number	: PT-048
Compatible models	: μ TOUGH-8010 / μ TOUGH-6020
Size	: Width 145mm x Height 109mm x Thickness 71mm
Weight	: Approx. 365g (not including camera and attachments)
Pressure resistance water depth	: 40m
Lens ring diameter	: 52mm
Included components	: Strap, LCD hood, μ TOUGH-8010 adapter PTAC-07, μ TOUGH-6020 adapter PTAC-06, optical cable adapter PFCA-01, lens cap, O-ring, silicone grease, silica gel

Conversion lens to increase the joy of photography

By using the underwater macro conversion lens PTMC-01 (sold separately) and step-up ring PSUR-03 (sold separately), you can shoot at closer range.

By using the underwater wide conversion lens PTWC-01 (sold separately) and PSUR-03 (sold separately) you can shoot a wider field of view.



When underwater macro conversion lens PTMC-01 is used

©Jun Shimizu



Mount example :
PTMC-01,
PSUR-03,
UFL-1,
PTCB-E02,
PTSA-03

Mount example :
PTWC-01,
PSUR-03,
UFL-1,
PTCB-E02,
PTSA-03



Underwater wide conversion lens PTWC-01 use

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Underwater scene mode easy to use for everyone

The μTOUGH-8010 and μTOUGH-6020 are equipped with four easy-to-use underwater shooting modes. You can select a suitable setting for the scene to be taken. For schools of fish and coral reefs, use “Underwater Wide-Angle 1”. For dolphins and fast-moving subjects, use “Underwater Wide-Angle 2”. For close-up shots taken at close range, use “Underwater Macro”. For underwater snapshots, use the convenient “Underwater Snap”.



Underwater Wide-Angle 1



Underwater Wide-Angle 2



Underwater Macro



Underwater Snap

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PT-048 compatible models



μTOUGH-8010

Silver



μTOUGH-6020

Blue

Pink

Green

Waterproof compact cameras μTOUGH-8010 / μTOUGH-6020

- 10m waterproof (μTOUGH-8010) / 5m waterproof (μTOUGH-6020) ^{*1}
- 2m shock resistance (μTOUGH-8010) / 1.5m shock resistance (μTOUGH-6020) ^{*2}
- -10°C cold resistance ^{*3}
- 100kgf load resistance ^{*4} (μTOUGH-8010)
- Dust-proof design ^{*5}
- Effective image resolution: 14 megapixels
- 5x optical zoom from 28mm wide angle ^{*6}
- Opening and closing lens barrier protecting lens
- Easy-to-film high definition movies
- Bright and clear hyper crystal III LCD monitor
- Large capacity internal memory

^{*1} Equivalent to JIS/IEC waterproof grade 8 (IPX8).

^{*2} Figure varies depending on the condition of tests performed by OLYMPUS.

^{*3} The recordable number of photos decreases.

^{*4} kgf is a unit of force applied to an object. Figure varies depending on the condition of tests performed by OLYMPUS.

^{*5} Equivalent to JIS/IEC waterproof grade 6 (IP6X)

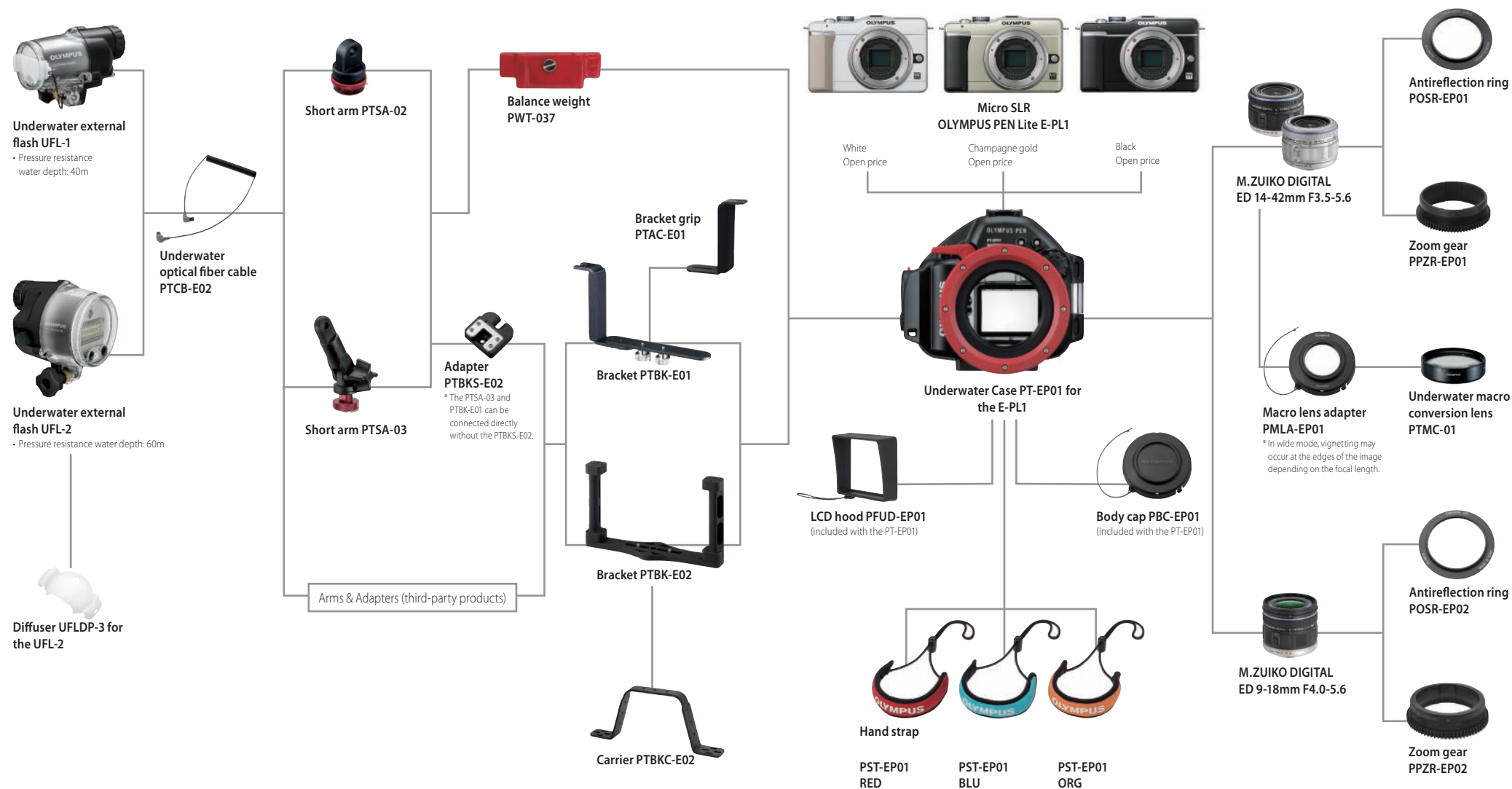
^{*6} Converted to 35mm size

For details on cameras, please check the OLYMPUS digital camera catalog or the OLYMPUS Imaging website.



Example photos for the Underwater Wide-Angle 1, Underwater Wide-Angle 2, and Underwater Macro mode were taken with the μ1030SW, and the one for the Underwater Snap mode was taken with the μTOUGH-8000.

Underwater case PT-EP01 system chart

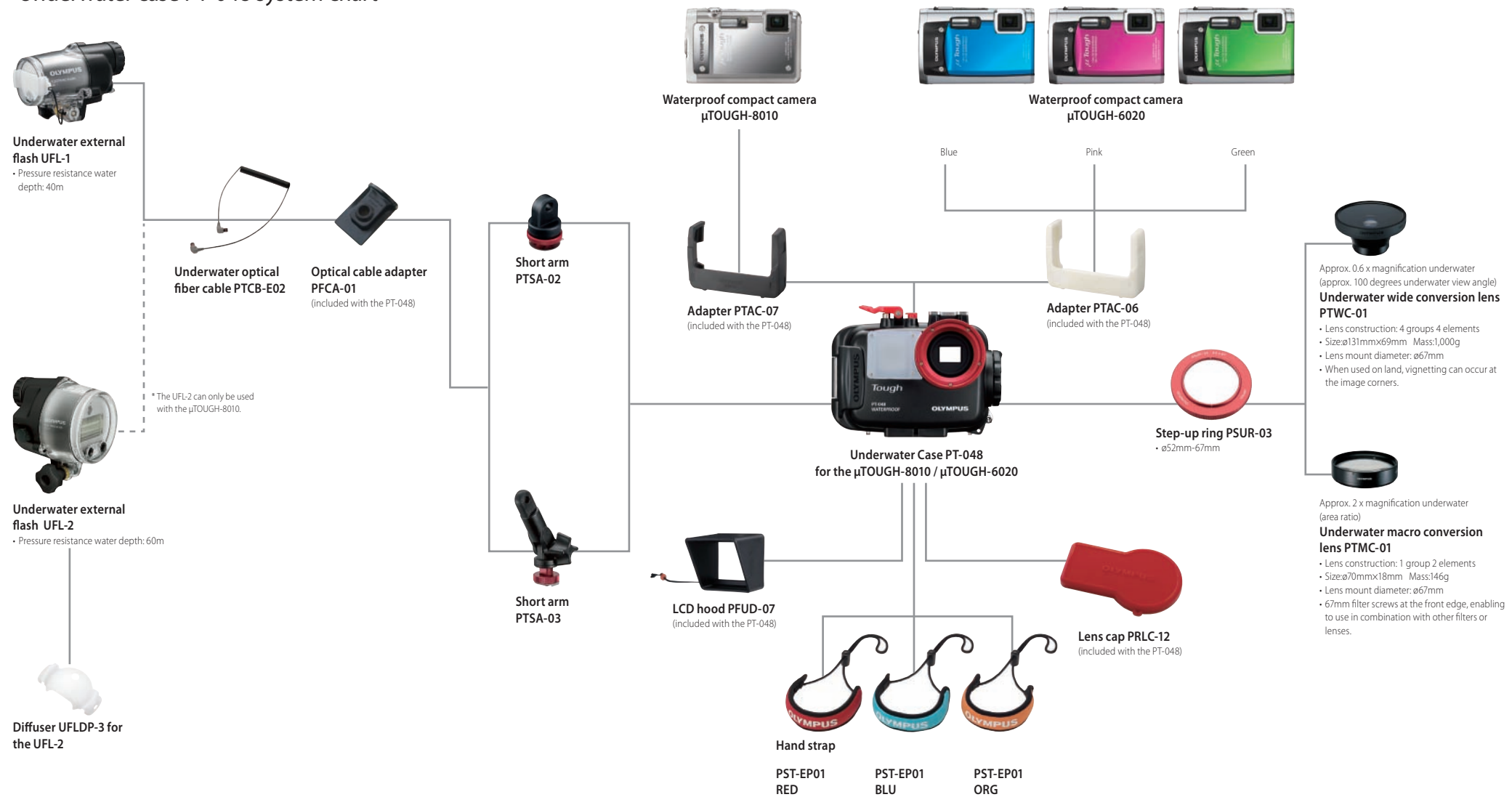


E-620 Underwater Case / Waterproof lens port

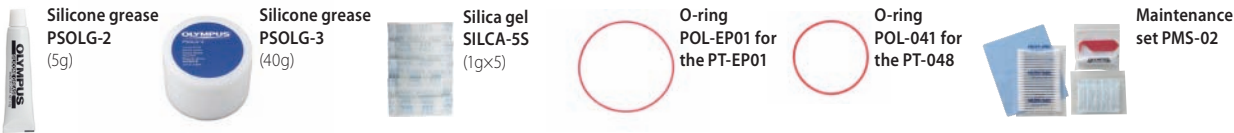
	Underwater Case PT-E06	Waterproof lens port PPO-E01 Compatible lenses: ZUIKO DIGITAL 35mm F3.5 Macro	Waterproof lens port PPO-E02 Compatible lenses: ZUIKO DIGITAL 14-54mm F2.8-3.5 II ZUIKO DIGITAL 11-22mm F2.8-3.5	Waterproof lens port PPO-E03 Compatible lenses: ZUIKO DIGITAL ED 50mm F2.0 Macro	Waterproof lens port PPO-E04 Compatible lenses: ZUIKO DIGITAL ED 9-18mm F4.0-5.6 ZUIKO DIGITAL ED 8mm F3.5 Fisheye ZUIKO DIGITAL ED 7-14mm F4.0 * The PER-E02 is required when 7-14mm lens is used.	Waterproof lens port PPO-E05 Compatible lenses: ZUIKO DIGITAL ED 14-42mm F3.5-5.6	Waterproof extension ring PER-E01 Compatible lenses: ZUIKO DIGITAL 1.4xTeleconverter EC-14 * PER-E01 is required when using a teleconverter with the ZUIKO DIGITAL ED 50mm F2.0 Macro. Used in combination with the PPO-E03.	Waterproof extension ring PER-E02 Compatible lenses: ZUIKO DIGITAL ED 7-14mm F4.0
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* The waterproof lens port and waterproof extension ring can also be used with the Underwater Case PT-E05 for the E-520.

Underwater case PT-048 system chart



Underwater Case PT-EP01 / PT-048 consumables



Step-up ring



* For details on the compatibility of step-up ring, refer to the OLYMPUS Imaging website: ▶ Accessories ▶ Compact digital camera accessories ▶ Underwater Case ▶ Step up ring ▶ System chart



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